

**DISK DRIVE EMPLOYING BEMF SPINDLE SPEED CONTROL OR WEDGE
SPINDLE SPEED CONTROL**

ABSTRACT OF THE DISCLOSURE

A disk drive is disclosed employing either back electromotive force (BEMF) spindle speed control or wedge spindle speed control. The BEMF spindle speed control is used to calibrate a reference time period representing an accumulation of a predetermined number of wedge-to-wedge times. During wedge spindle speed control, a wedge time period representing an accumulation of a predetermined number of wedge-to-wedge times is measured, and a wedge speed error is computed as the difference between the reference time period and the wedge time period.